AMENDMENTS TO THE CLAIMS

Applicants submit below a complete listing of the current claims, including marked-up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing. This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of the Claims

1-65. (Cancelled)

66.   (Currently amended) A method for operating a user characterization system, executing remotely which executes on a computer separate from a remote user wearing a thin client wearable computer, to provide information about a current state of [[a]] the remote user of the thin client wearable computer, the user characterization system modeling the current state with multiple state attributes and including state server modules (SSMs) to supply values for the state attributes, state client modules (SCMs) to process values for the state attributes, and an intermediary module to facilitate exchange of state attribute values, the method comprising:

under control of each SSM of the user characterization system, gathering information about the current state of the remote user wirelessly from the thin client wearable computer, generating values for at least one of the state attributes based on the gathered information, and sending the generated values to the intermediary module;

under control of each SCM of the user characterization system, receiving values for at least one state attribute from the intermediary module and performing processing based on the received values;

under control of the intermediary module of the user characterization system, facilitating exchange of values by,

receiving the sent values for the state attributes from the SSMs; and

automatically modeling values of other state attributes based at least in part on the sent values of the state attributes by abstracting a transient physiological user condition derived from the sent values of the state attributes of a lower level of abstraction;

sending at least some of the received state attribute values and at least some of the modeled other state attribute values to the SCMs; and

interacting with the thin client wearable computer, ~~in order to provide information about the user or to receive~~ the interacting comprising providing information about the current state of the remote user to the thin client wearable computer and receiving information about the current state of the remote user from the thin client wearable computer, the interacting being based at least in part on the modeled other state attribute values, ~~so that the remotely-executing user characterization system can obtain and provide information about the current state of the user of the thin client wearable computer~~.

67.   (Currently amended) The method of claim 66 wherein the thin client wearable computer includes an output device, and wherein the interacting with the thin client wearable computer includes sending information about the current state for presentation to the remote user on the output device.

68-70.   (Canceled)

71.   (Currently amended) The method of claim 66 ~~wherein the user characterization system executes on a computer remote from the thin client wearable computer,~~ wherein the thin client wearable computer lacks resources accessible to the ~~remote~~ computer executing the user characterization system, and wherein the interacting with the thin client wearable computer includes receiving a request to access at least one of the resources on behalf of the thin client wearable computer and accessing those resources in response.

72.   (Currently amended) The method of claim 71 wherein the at least one resources include processing capabilities of the ~~remote~~ computer executing the user characterization system, wherein the accessing of those resources includes using the processing capabilities on behalf of the thin client wearable computer, and including sending an indication of results to the thin client wearable computer.

73.   (Canceled)

74.   (Currently amended) The method of claim 71 wherein the at least one resources ~~are~~ include a computer-readable storage ~~capabilities~~ medium of the ~~remote~~ computer executing the user characterization system, and wherein the accessing of those resources includes storing information received from the thin client wearable computer on the computer-readable storage ~~capabilities~~ medium.

75.   (Currently amended) The method of claim 71 wherein the ~~remote~~ computer executing the user characterization system has a sensor receiving information about the remote user of the thin client wearable computer, and wherein the gathering of the information about the current state of the remote user by at least one of the SSMs includes obtaining information from the sensor.

76.   (Canceled)

77.   (Original) The method of claim 66 wherein the gathering of the information about the current state of the user by at least one of the SSMs includes obtaining information from at least one sensor that is part of the thin client wearable computer.

78.   (Original) The method of claim 66 wherein the performing of the processing based on the received values by at least one of the SCMs includes supplying information to at least one output device that is part of the thin client wearable computer.

79-81.   (Canceled)

82.   (Original) The method of claim 66 wherein at least some of the SSMs are available to supply values for additional state attributes of a current state other than for the user, and wherein the intermediary module additionally sends values for the additional state attributes to SCMs.

83-173.   (Cancelled)

174.   (Currently amended) The method of claim 66, ~~further comprising~~ wherein:

the state attributes comprise a geographic location and speed,

generating values under control of each SSM comprises generating values for the state attributes of geographic location and speed,

abstracting [[a]] the transient physiological user condition is derived in part from the sent values of the state attributes ~~based on~~ for the geographic location and the speed, and

interacting with the thin client wearable computer comprises wirelessly transmitting the transient physiological user condition to the thin client wearable computer from the user characterization system.

175.   (Currently amended) The method of claim 66, ~~further comprising~~ wherein:

abstracting [[a]] the transient physiological user condition ~~derived~~ comprises characterizing or inferring from the sent values of the state attributes which are based on physical activity of the user, ~~to characterize or infer a~~ the user's current activity.

176-180. (Canceled)

181.   (Currently amended) The method of claim 66, ~~further comprising abstracting a~~ wherein the transient physiological user condition is derived in part from [[the]] sent values of the state attributes based in part on ambient environmental information.

182-183.   (Canceled)

184.   (Currently amended) The ~~method~~ computer-readable storage medium of claim ~~175 further comprising abstracting~~ 191, wherein the transient physiological condition of the user abstracted is the activity of exercising.

185.   (Currently amended) The ~~method~~ computer-readable storage medium of claim ~~175 further comprising abstracting~~ 191, wherein the transient physiological condition of the user abstracted is the activity of talking.

186.   (New) A system that communicates wirelessly with a mobile computer at a
remote location to provide information about a current state at the remote location, the current
state modeled with multiple state attributes, the system comprising:

a receiver to wirelessly receive sensor data from the mobile computer;

a processor configured to execute computer-executable instructions for performing a
process of:

obtaining first values for at least one of the state attributes based on the sensor
data; and

modeling a second value of a second state attribute based at least in part on the
first values, the second values modeled by abstracting a condition derived from the first
values, the first values being from a lower level of abstraction than the second value; and

a transmitter for wirelessly transmitting information about the current state from the
system to the remote computer, the information about the current state including the second
value.

187.   (New) The system of claim 186, wherein the current state is the current state of a
remote user of the mobile computer.

188.   (New) The system of claim 187, wherein the condition abstracted is a
physiological condition of the remote user.

189.   (New) The system of claim 188, wherein the remote computer is a thin client
computer that is wearable by the remote user and has an output device for presenting the
information about the current state of the remote user received from the system.

190.   (New) A computer-readable storage medium having computer-executable
instructions that, when executed by a first computer, perform a method of implementing a system
that communicates wirelessly with a mobile computer at a remote location to provide
information about a current state of a remote user, the current state modeled with multiple state
attributes, the method comprising:

receiving data about the environment of the remote user from fixed sensors coupled to the first computer and from remote sensors operating at the remote location;

obtaining first values for at least one of the state attributes based on the data received from the fixed and remote sensors;

automatically modeling second values of other state attribute based at least in part on the first values, the second values modeled by abstracting a transient physiological user condition derived from the first values, the first values being from a lower level of abstraction than the second values; and

transmitting information about the current state of the remote user from the system to the mobile computer, the information about the current state including at least one of the second values.

191.   (New) The computer-readable storage medium of claim 190, wherein abstracting the transient physiological user condition comprises characterizing from the first values of the state attributes the remote user's current activity, the first values used for characterizing the current activity being based on a physical activity of the remote user.